PCT/EP 03/07217 A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B26F1/24 D04H D04H3/14 D04H3/16 D04H1/54 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) **B26F** DO4H IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages 24,26 EP 0 598 970 A (PANTEX SRL) X 1 June 1994 (1994-06-01) claims 13,20 column 1, line 53 -column 2, line 11 1-23,25Α 27-29 column 4, line 47 -column 5, line 36; claims 14-19,21; figures 1,10 27-29 EP 0 214 608 A (KIMBERLY CLARK CO) X 18 March 1987 (1987-03-18) page 5, line 25 -page 7, line 19 page 18, line 1 -page 18, line 6; figures 12,13 page 16, line 27 -page 18, line 28; figure 1-26 Α -/--Patent family members are listed in annex. Further documents are listed in the continuation of box C. X Special categories of cited documents: 'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention "X" document of particular relevance; the claimed Invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-ments, such combination being obvious to a person skilled in the next.

28 October 2003

06/11/2003

"A" document member of the same patent family

Date of mailing of the International search report

Name and mailing address of the ISA

Date of the actual completion of the international search

O document referring to an oral disclosure, use, exhibition or

document published prior to the international filing date but later than the priority date claimed

Authorized officer

European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

Demay, S

other means



Internation Application No PCT/EP 03/07217

Category °	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
———— A	EP 1 046 479 A (BURCKHARDT CHRISTOPH AG)	1-29
	25 October 2000 (2000-10-25) cited in the application the whole document	
A	WO 99 67454 A (BAUER JOACHIM ;ETZOLD STEFAN (DE); COROVIN GMBH (DE)) 29 December 1999 (1999-12-29) page 10, line 19 -page 10, line 27 page 12, line 8 -page 12, line 17; figures 1-4	1-29
A	DE 100 05 306 C (KLEINEWEFERS TEXTILMASCHINEN G) 13 June 2001 (2001-06-13) cited in the application the whole document	1-29
P,A	WO 03 004229 A (ROY INDRA ;SODEMANN RALF (DE); COROVIN GMBH (DE); MUTH MATHIAS (DE) 16 January 2003 (2003-01-16) page 11, line 19 -page 12, line 2; figures 1,2	1-29
P,A	WO 03 004259 A (BAUER JOACHIM ;COROVIN GMBH (DE); MUTH MATHIAS (DE); ROETTGER HENN) 16 January 2003 (2003-01-16) the whole document	1-29
	·	

International Application No PCT/EP 03/07217

information on patent family members

Patent document ted in search report		Publication date		Patent family member(s)	Publication date
P 0598970	L	01-06-1994	EP	0598970 A1	01-06-1994
.1 0390370	**	01 00 133 .	ĀT	137433 T	15-05-1996
			BR	9304738 A	24-05-1994
			CA	2103196 A1	18-05-1994
			CN	1087302 A ,B	01-06-1994
			CZ	9302443 A3	18-05-1994
			ĎĒ	69210403 D1	05-06-1996
			DE	69210403 T2	05-09-1996
			DK	598970 T3	03-06-1996
			ES	2086111 T3	16-06-1996
			GR	3019813 T3	31-08-1996
			GR	3033426 T3	29-09-2000
			HÜ	67098 A2	28-02-1995
			JP	3150010 B2	26-03-2001
			JP	6198780 A	19-07-1994
				134079 B1	21-04-1998
			KR	6007468 A	28-12-1999
			US		20-01-1998
			US	5709829 A	29-09-1998
			US 	5814389 A	
EP 0214608	Α	18-03-1987	AU	6242086 A	12-03-1987
			BR	8604312 A	05-05-1987
			CN	86107550 A	29-07-1987
			EP	0214608 A2	18-03-1987
			GB	2180271 A ,B	25-03-1987
			GB	2208666 A ,B	12-04-1989
			JP '	7033628 B	12-04-1995
			JP	62125061 A	06-06-1987
			MX	162528 A	20-05-1991
			US	4886632 A	12-12-1989
			US	5188625 A	23-02-1993
			ZA	8606658 A	29-04-1987
EP 1046479	Α	25-10-2000	EP	1046479 A1	25-10-2000
			ΕP	1048419 A1	02-11-2000
			US	2003085213 A1	08-05-2003
WO 9967454	Α	29-12-1999	DE	19827567 A1	23-12-1999
10 3307 101	••		AU	5406599 A	10-01-2000
			WO	9967454 A2	29-12-1999
			DE	59903412 D1	19-12-2002
			EP	1092054 A2	18-04-2001
DE 10005306	C	13-06-2001	DE	10005306 C1	13-06-2001
NE 10003300	U	13.00-2001	EP	1130159 A2	05-09-2001
			JP	2001271264 A	02-10-2001
			US	2001271204 A 2001011408 A1	09-08-2001
					~
WO 03004229	Α	16-01-2003	DE	20121445 U1	17-10-2002
			WO	03004259 A2	16-01-2003
			WO	03004229 A1	16-01-2003
WO 03004259	Α	16-01-2003	DE	20121445 U1	17-10-2002
MO 03004733			WO	03004259 A2	16-01-2003
WO 03004259				03004229 A1	16-01-2003